

```

1  AAAGACAAACTGCACCCACTGAACCTCCGACGCTAGCATCCAAATCAGCCCTTGAGATTTGAGGCCTTGGAGACTCAGGAGTTTIGAGAGC
91  AAAATGACAACACCCAGAAAATTCAGTAAATGGGACTTTCCCGGCAGAGCCCAATGAAGGCCCTATTGCTATGCAATCTGGTCCAAACCA
1  MetThrThrProArgAsnSerValAsnGlyThrPheProAlaGluProMetLysGlyProIleAlaMetGlnSerGlyProLysPro
---CHO---
181  CICTTCAGGAGGATGTCTTCACTGGTGGGCCCCACGCAAGCTTCTTCAATGAGGGAATCTAAGACTTTGGGGGCTGTCCAGATTATGAAT
30  LeuPheArgArgMetSerSerLeuValGlyProThrGlnSerPhePheMetArgGluSerLysThrLeuGlyAlaValGlnIleMetAsn
=====
271  GGGCTCTTCCACATTGCCCTGGGGGGTCTTCTGATGATCCACGAGGGATCTATGCACCCCATCTGTGTGACTGTGTGGTACCCCTCTCTGG
60  GlyLeuPheHisIleAlaLeuGlyGlyLeuLeuMetIleProAlaGlyIleTyrAlaProIleCysValThrValTrpTyrProLeuTrp
=====
361  GGAGGCATTATGTATATTATTTCCGGATCACTCTCGCAGCAACGGAGAAAAACTCCAGGAAGTGTGTTGGTCAAAGGAAAAATGATAATG
90  GlyGlyIleMetTyrIleIleSerGlySerLeuLeuAlaAlaThrGluLysAsnSerArgLysCysLeuValLysGlyLysMetIleMet
=====
451  AATTCAATTGAGCCTCTTTGCTGCCATTTCTGGAAATGATTCTTCAATCATGGACATACCTTAATAATTAAAAATTTCCCATTTTTAAAAATG
120  AsnSerLeuSerLeuPheAlaAlaIleSerGlyMetIleLeuSerIleMetAspIleLeuAsnIleLysIleSerHisPheLeuLysMet
=====
541  GAGAGTCTGAATTTTATTAGAGCTCACACCATATATTAACATATACAACTGTGAACCAAGCTAATCCCTCTGAGAAAAAACTCCCCATCT
150  GluSerLeuAsnPheIleArgAlaHisThrProTyrIleAsnIleTyrAsnCysGluProAlaAsnProSerGluLysAsnSerProSer
=====
631  ACCCAATACTGTTACAGCATACAATCTCTGTTCTTGGGCATTTTGTGAGTGATCTTTGCTTCTTCCAGGAACCTTGTAATAGCT
180  ThrGlnTyrCysTyrSerIleGlnSerLeuPheLeuGlyIleLeuSerValMetLeuIlePheAlaPhePheGlnGluLeuValIleAla
=====

```

FIG. 10A-1

721 GGCATCGTTGAGAAATGAATGGAAAAGAACGTGCTCCAGACCCAAATCTAACATAGTTCTCCTGTGACGAGAAGAAAAAGAACAGACT
 210 GlyIleValGluAsnGluTrpLysArgThrCysSerArgProLysSerAsnIleValLeuLeuSerAlaGluGluLysLysGluGlnThr

 811 ATTGAAATAAAGAAGAAAGTGGTTGGCTAACTGAAACAICTTCCCAACCAAGAATGAAGAAGACATTGAAATTTATTCCAATCCAAGAA
 240 IleGluIleLysGluGluValValGlyLeuThrSerSerGlnProLysAsnGluGluAspIleGluIleIleProIleGlnGlu

 901 GAGCAAGAAGAAACAGAGACGAACTTTCAGAACTCCCAAGATCAGGAATCCTCACCAATAGAAAAATGACAGCTCTCCTTAAAGTG
 270 GluGluGluGluThrGluThrAsnPheProGluProProGlnAspGlnGluSerSerProIleGluAsnAspSerSerProEnd 297
 ---CH0---

 991 ATTTCTTCTGTTTTCTGTTTTCTTTTTTAAACATTAGTGTTTCATAGCTTCCAAGAGACATGCTGACTTTTCATTTCTTGAGGTACTCTGCA
 *
 1081 CATACGCCACCACATCTCTATCTGGCCTTTGCATGGAGTGACCATAGCTCTCTCTCTTACATTGAATGTAGAGAATGTAGCCATTGTAG

 1171 CAGCTTGTTGTACGCTTCTCTTTTGAGCAACTTCTTACACTGAAGAAAGGCAGAAATGAGTGCTTCAGAATGTGATTTTCCTACTAA

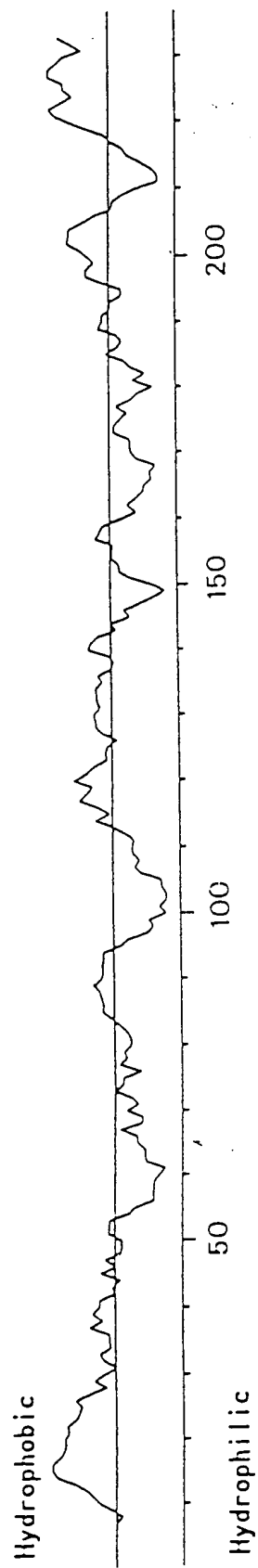
 1261 CCTGTTCTTGGATAGGCTTTTATAGTATAGTATTTTTTTTTTGTGCATTTTTCTCCATCAGCAACCAAGGAGACTGCACCTGATGGAAAAGAT

 1351 ATATGACTGCTTCATGACATTCTCTAAACTATCTTTTTTTTATCCACATCTACGTTTTTGGTGGAGTCCCTTTTTATCATCTCTTAAACA

 1441 ATGATGCAAAAGGGCTTTAGAGCACAAATGGATCT 1474

FIG. 10A-2

FIG. 4B



1 G C C C C A G A G C C A T G G T T G C T G G A G C G A C G C G G G G C C C T G G G G G T C C T C A G C G T G G T C T G C C A C T G C T T T G G T T C A T C 90
1 MetValAlaGlySerAspAlaGlyArgAlaLeuGlyValLeuSerValValCysLeuLeuIleCysPheGlyPheIle 26
91 A G C T G T T T T C C C A A C A A A T A T A T G C T G T G T A T G G A A T G T A A C T T T C C A T G T A C C A A G C A A T G T G C C T T T A A A A G A G G T C C T A T G C 180
27 SerCysPheSerGlnGlnIleTyrGlyValValTyrGlyAsnValThrPheHisValProSerAsnValProLeuLysGluValLeuTrp 56
---CH0---
181 A A A A A C A A A A G G A T A A A G T T G C A G A A C T G G A A A A T T C T G A A T T C A G A G C T T T C T C A T C T T T A A A A A T A G G T T T A T T T A G A C A C A C T G T G 270
57 LysLysGlnLysAspLysValAlaGluLeuGluAsnSerGluPheArgAlaPheSerSerPheLysAsnArgValTyrLeuAspThrVal 86
271 T C A G G T A G C C T C A C T A T C T A C A A C T T A A C A T C A T C A G A T G A G A T G A A T G G A A T G G C C A A A T A T T A C T G A T A C C A T G A A G T T C 360
87 SerGlySerLeuThrIleTyrAsnLeuThrSerSerAspGluAspGluTyrGluMetGluSerProAsnIleThrAspThrMetLysPhe 116
---CH0---
361 T T T C T T T A T G T G C T T G A G T C T C T C C A C A C T A A C T T G T G C A T T G A G T A A T G G A A G C A T T G A A G T C C A A T G C A T G A T A C C A G A G 450
117 PheLeuTyrValLeuGluSerLeuProSerProThrLeuThrCysAlaLeuThrAsnGlySerIleGluValGlnCysMetIleProGlu 146
---CH0---
451 C A T T A C A A C A G C C A T C G A G G A C T T A A T G T A C T A C A T G G A T T G C C T A T G C A G C A A T G T A A C C G T A A C C A G T A T A T A T T T T A A G 540
147 HisTyrAsnSerIleArgGlyLeuIleMetTyrSerTrpAspCysProMetGluGlnCysLysArgAsnSerThrSerIleTyrPheLys 176
---CH0---
541 A T G G A A A A T G A T C T T C C A C A M A A A T A C A G T G T A C T C T T A G C A A T C C A T T A T T A A T A C A A C A T C A T C A A T C A T T T T G A C A A C C T G T A T C 630
177 MetGluAsnAspLeuProGlnLysIleGlnCysThrLeuSerAsnProLeuPheAsnThrThrSerSerIleIleLeuThrThrCysIle 206
---CH0---
631 C C A A G C A G C G G T C A T T C A A G A C A C A G A T A T G C A C T T A T A C C C A T A C C A T T A G C A G T A A T T A C A A C A T G T A T T G C T G T A T A T G A A T G T T 720
207 ProSerSerGlyHisSerArgHisArgTyrAlaLeuIleProIleProLeuAlaValIleThrThrCysIleValIleLeuTyrMetAsnVal 236
=====
721 C T T T A A T T G A G A G A C A A T T C T T C A T T T T A G G T A T T C T G A A T G T G A C A G A A A C C A G A C A G A A C C A A C T C C A A T T G A T T G G T A A C A G 810
237 LeuEnd
=====

FIG. 4A

811 AAGATGAAGACACACAGCATAACTAAATATTTTAAAAACTAAAGCCACTGATTTCTCATTT 874